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A LIST OF
AMERICAN DOCTORAL DISSERTATIONS
PRINTED IN 1913

PREPARED BY

ALIDA M. STEPHENS

CATALOGUE DIVISION

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PREFATORY NOTE

The following list of theses has been compiled according to the plan adopted for the list of 1912, in which the method and arrangement are explained on pages 7 to 9 of the introduction by Mr. Charles A. Flagg. The present issue appears in improved typographic form, the adoption of which was prevented by circumstances last year. It is hoped that the list is complete; should any theses be received later than August 20, 1914, they will not be included, but will appear as a supplement to the list for 1914.

A supplementary list of theses printed in 1912 is prefixed. They are numbered continuously with the list of 1912, and distinguished in the Subject index (Section III) by the addition of the date.

ALIDA M. STEPHENS

In Charge of Theses, Catalogue Division

HERBERT PUTNAM

Librarian of Congress

Washington, D. C., September, 1914

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**SUPPLEMENTARY LIST OF THESES PRINTED
IN 1912**

(Received too late for 1912 list)

7

**SUPPLEMENTARY LIST OF THESES
PRINTED IN 1912**

262 Bennett, Elizabeth Ruth, 1880—

Primitive groups with a determination of the primitive groups of degree 20 . . . [Baltimore, 1912] 1 p.l., 20 p. 1 l.

University of Illinois, 1910, PH. D.

"Reprinted from the American journal of mathematics, vol. xxxiv, no. 1, pp. 1-20."

CA 14-271 D

QA171.B4

263 Boezinger, Bruno, 1859—

. . . Das historische präsens in der älteren deutschen sprache . . . Stanford University, Cal., The University, 1912. 91 p.

(Leland Stanford junior university publications. University series. [no. 71])

Leland Stanford junior university, 1910, PH. D.
12-15225 Revised

PF4159.B7

264 Chambers, Charles Oscar, 1866—

. . . The relation of *Algæ* to dissolved oxygen and carbondioxide. With special reference to carbonates . . . Saint Louis, 1912. cover-title, p. 171-207.

(Washington university. Theses for the degree of doctor of philosophy, no. 18)

Washington university, 1913, PH. D.

"Reprinted from the twenty-third Annual report of the Missouri botanical garden."

14-11234

QK565.C56

265 Downey, Ezekiel Henry, 1879—

. . . History of work accident indemnity in Iowa . . . Iowa City, Ia., State historical society of Iowa. 1912. xiii, 337 p.

(Iowa economic history series, ed. by B. F. Shambaugh)

University of Wisconsin, 1913, PH. D.

Without thesis note.

13-33050

HD7816.U7 I 8 1912b

266 **Egan, James Everett, 1886-**

Observations on the rare earths. Yttrium chloride and the atomic weight of yttrium . . . [Greencastle, Ind., 1912] 20 p.

University of Illinois, 1912, PH. D.
13-17452

QD172.R2E5

267 **Ernest, Thomas Reuben, 1879-**

Sand-lime brick . . . [Urbana, 1912] 3 p. l., [9]-83 p.

University of Illinois, 1910, PH. D.

Published also as Bulletin 18 of the Illinois state geological survey under title: A study of sand-lime brick, by S. W. Parr and T. R. Ernest.

14-13618

TP832.S2E7

268 **Eskridge, James Burnette.**

. . . The influence of Cicero upon Augustine in the development of his oratorical theory for the training of the ecclesiastical orator . . . Menasha, Wis., George Banta publishing co., 1912. 3 p. l., 58 p.

University of Chicago, 1912, PH. D.
14-20259.

269 **Frizell, Arthur Bowes, 1865-**

. . . Foundations of arithmetic . . . Lawrence, Kan., The University, 1912. p. [381]-411.

(The Kansas university science bulletin. vol. v, no. 21)

University of Kansas, 1910, PH. D.
14-9959

QA248.F8

270 **Haseman, John Diederich.**

. . . Some factors of geographical distribution in South America . . . New York, The Academy, 1912. cover-title, 9-112 p.

Columbia university, 1912, PH. D.

Annals of the New York academy of sciences, vol. xxii.

Published also in the Annals without thesis note.

14-11695

QH111.H3

271 **Hotson, John William.**

. . . Culture studies of *Fungi* producing bulbils and similar propagative bodies . . . [Boston, 1912] 1 p. l., p. [227]-306, [2] p., 11 l.

Harvard university, 1913, PH. D.

Without thesis note.

"Proceedings of the American academy of arts and sciences. Vol. XLVIII, no. 8.—October, 1912."

"Contributions from the Cryptogamic laboratories of Harvard university, no. LXX."

14-5564

QK601.H7

272 Kellogg, David Raymond, 1884—

The hydrolysis of ethyl acetate by neutral salt solutions . . . Easton, Pa., Eschenbach printing co., 1912.
35 p.

Ohio state university, 1912, PH. D.
14-3945

QD305.A2K25

273 Sharpe, Charles Manford.

. . . The normative use of Scripture by typical theologians of Protestant orthodoxy in Great Britain and America . . . Menasha, Wis., George Banta publishing co., 1912. 2 p. l., 77 p.

University of Chicago, 1912, PH. D.
14-20384

274 Sullivan, Charles Thompson, 1884—

. . . Properties of surfaces whose asymptotic curves belong to linear complexes . . . Lancaster, Pa., Press of the New era printing company, 1912. 1 p. l., p. 167-196, 1 l.

University of Chicago, 1912, PH. D.
14-13451

QA643.S85

275 Webster, David Locke.

. . . On an electromagnetic theory of gravitation . . .
[Boston, 1912] 1 p. l., p. [561]-581.

Harvard university, 1913, PH. D.

Pt. I of the author's thesis.

"Proceedings of the American academy of arts and sciences. Vol. XLVII, no. 14. January, 1912."

"Contributions from the Jefferson physical laboratory, Harvard university."

14-5561

QC178.W3

— . . . On the existence and properties of the ether.
[Boston, 1912] 1 p. l., p. [511]-527.

Harvard university, 1913, PH. D.

Pt. II of the author's thesis.

"Proceedings of the American academy of arts and sciences. Vol. XLVIII, no. 12. November, 1912."

14-5560

QC177.W3

SECTION I

**ALPHABETIC LIST OF THESES PRINTED
IN 1913**

13

ALPHABETIC LIST OF THESES PRINTED
IN 1913

- 1 **Allyn, Harriet May.**
 . . . The initiation of development in *Chaetopterus* . . .
 Chicago, 1913. 1 p. l., p. 21-72.
 University of Chicago, 1912, PH. D.
 "Reprinted from Biological bulletin, vol. xxiv., no. 1, Dec., 1912."
 13-16059 QL958.A4

- 2 **Ames, Adeline Sarah, 1879-**
 Studies in the *Polyporaceae* . . . [Berlin ?] 1913. 1 p. l.,
 p. [211]-253.
 Cornell university, 1913, PH. D.
 "Reprinted from Annales mycologici, vol. xi, no. 3, June, 1913."
 13-23086 QK629.P7A6

- 3 **Anderson, David Allen.**
 The school system of Norway . . . [Boston, The Gor-
 ham press, 1913] 232 p.
 University of Iowa, 1912, PH. D.
 Published also without thesis note.
 14-5003 LA894.A6 1913a

- 4 **Anderson, Paul Johnson, 1884-**
 The morphology and life history of the chestnut blight
 fungus . . . [Harrisburg, 1913] 44 p.
 Cornell university, 1914, PH. D.
 "Reprint of Pennsylvania chestnut blight commission Bulletin 7,
 December, 1913."
 14-12369 SB608.C45A45

- 5 **Anderson, William Elijah, 1875-**
 Determination of the mean declinations of 136 stars
 for the epoch 1912.0 . . . Philadelphia, The John C.
 Winston co., 1913. 13 p.
 University of Pennsylvania, 1913, PH. D.
 13-16060 QB6.A4

6 Austin, Herbert Douglas, 1876—

Accredited citations in Ristoro d'Arezzo's *Composizione del mondo*; a study of sources . . . [Torino, Stab. tip. dottor G. Momo, 1913] 51, [1] p.

Johns Hopkins university, 1911, PH. D.

Published also in *Studi medievali*, vol. 4, p. 335-382.
14-3220

7 Ayres, Hiram Donthitt, 1878—

The refraction of gases at different temperatures and pressures . . . [Lancaster, Pa., and Ithaca, N. Y.] 1913.
1 p. l., p. [161]-182.

Cornell university, 1913, PH. D.

"Reprinted from the *Physical review*, n. s., vol. II, no. 3, September, 1913."

13-24089

QC425.A8

8 Bachmann, Freda Marie.

The origin and development of the apothecium in *Collema pulposum* (Bernh.) Ach. . . . Leipzig und Berlin, W. Engelmann, 1913. cover-title, p. [369]-430.

University of Wisconsin, 1912, PH. D.

Without thesis note.

"Sonderabdruck aus dem 'Archiv für zellforschung.' x. band, 4. heft."

13-23082

QK581.B2

9 Bacon, Clara Latimer, 1866—

The Cartesian oval and the elliptic functions ρ and σ . . . [Baltimore] 1913. 1 p. l., p. [261]-280, 1 l.

Johns Hopkins university, 1911, PH. D.

"Reprinted from *American journal of mathematics*, vol. xxxv, no. 3."
13-17453

QA343.B15

10 Barba, Preston Albert, 1883—

The life and works of Friedrich Armand Strubberg . . . [Philadelphia] University of Pennsylvania [New York, D. Appleton & company, agents] 1913. 149 p.

(*Americana germanica* . . . Editor: Marion Dexter Learned : . . [new ser., no. 16])

An "extension" of the author's thesis, Univ. of Pennsylvania, 1911, PH. D.

13-22782

PT2532.S3Z9

- 11 **Beal, Frederick Wahn, 1879-**
 Normal congruences determined by centers of geodesic curvature . . . [Baltimore] 1913. cover-title, p. [10]-36.
 Princeton university, 1911, PH. D.
 "Reprinted from American journal of mathematics, vol. xxxv, no. 1."
 14-3242 QA643.B4

- 12 **Beckwith, Holmes, 1884-**
 German industrial education and its lessons for the United States . . . Washington, D. C. [Govt. print. off.] 1913. 154 p., 1 l.
 Columbia university, 1913, PH. D.
 "Reprinted from Bulletin, 1913, no. 19, whole number [529] United States bureau of education."
 13-35010 LC1081.B5 1913a

- 13 **Beik, Arthur Kennedy, 1882-**
 Physiological age and school entrance . . . [Worcester, Mass.] 1913. 1 p. l., p. [277]-321.
 Clark university, 1913, PH. D.
 "Reprinted from the Pedagogical seminary September, 1913, vol. xx."
 13-24062 L.B1133.B4

- 14 **Bender, Andrew.**
 The preparation and properties of some new derivatives of pseudocumidine . . . Concord, N. H., The Rumford press, 1913. 44, [2] p.
 Columbia university, 1914, PH. D.
 14-2059 QD341.A8B35

- 15 **Binford, Raymond, 1876-**
 The germ-cells and the process of fertilization in the crab, *Menippe mercenaria* . . . [Boston, 1913] 1 p. l., p. 147-202, 1 l.
 Johns Hopkins university, 1912, PH. D.
 "Reprinted from the Journal of morphology, vol. 24, no. 2, June, 1913."
 13-17223 QH485.B5

- 16 **Bixler, Edward Clinton, 1877-**
 An investigation to determine the efficiency with which the compulsory attendance law is enforced in Philadelphia . . . Philadelphia, Pa., 1913. 59, [1] p.
 University of Pennsylvania, 1909, PH. D.
 13-17896 LC132.P4B6
 62875*-14-2

17 **Blanchard, Ralph Carpenter, 1882-**

The geology of the western Buckskin mountains, Yuma County, Arizona . . . [New York, Peck & Durham, printers] 1913. 80 p.

Columbia university, 1913, PH. D.

14-1708

QE86.B8B6

18 **Blum, Solomon, 1883-**

Jurisdictional disputes resulting from structural differences in American trade unions . . . [Berkeley, University of California press, 1913] 1 p. l., p. [409]-447, 1 l.

(University of California publications in economics. v. 3, no. 3)

Johps Hopkins university, 1907, PH. D.

Published also without thesis note.

14-3952

HD6483.B6

19 **Boecker, Alexander.**

A probable Italian source of Shakespeare's "Julius Cæsar" . . . New York, 1913. viii, 130 p.

New York university, 1912, PH. D.

14-4949

PR2808.B6

20 **Book, William Ira, 1875-**

An electric converter . . . Lancaster, Pa., Press of the New era printing company, 1913. 1 p. l., p. [49]-57.

University of Pennsylvania, 1913, PH. D.

"Reprinted from the Physical review, n. s., vol. II., no. 1, July, 1913."

13-23083

QC665.B7

21 **Born, Sidney, 1889-**

The chemical constitution of invertase; The acetolysis of carbohydrates . . . Concord, N. H., The Rumford press, 1913. 40 p.

Columbia university, 1913, PH. D.

14-1712

QP601.B74

22 **Bowerman, Helen Cox, 1878-**

Roman sacrificial altars; an archaeological study of monuments in Rome . . . Lancaster, Pa., The New era printing company, 1913. v, 103 p.

Bryn Mawr college, 1912, PH. D.

13-11782

DG133.B6

23 Bretz, J. Harlen, 1882-

. . . Glaciation of the Puget Sound region . . . Chicago, 1913. 4 p. l., 7-244 p.

(Washington geological survey. Bulletin no. 8)

University of Chicago, 1913, PH. D.

14-1704

QE175.B7

24 Brewster, Dorothy, 1883-

Aaron Hill, poet, dramatist, projector . . . New York, Columbia university press, 1913. xiii, 301 p.

(Columbia university studies in English and comparative literature)

Columbia university, 1913, PH. D.

Published also without thesis note.

14-2634

PR3515.H16Z6 1913a

25 Briggs, Thomas Henry, 1877-

Formal English grammar as a discipline . . . New York city, Teachers college, Columbia university, 1913. iv, 93, [1] p.

Columbia university, 1914, PH. D.

"Reprinted from Teachers college record September 1913."

14-3228

LB1576.B6

26 Briggs, Thomas Roland, 1887-

The electrochemical production of colloidal copper . . . [Ithaca, N. Y.] 1913. 1 p. l., p. [281]-319.

Cornell university, 1913, PH. D.

"Reprinted from the Journal of physical chemistry. 17, 281 (1913)."

14-1705

QD181.C9B7

27 Brokaw, Albert Dudley, 1880-

. . . The secondary precipitation of gold in ore bodies . . . Chicago, 1913. 1 p. l., p. 251-267.

University of Chicago, 1913, PH. D.

"Reprinted from the Journal of geology. vol. xxi, no. 3."

13-14477

TN420.B7

28 Brown, Harry Bates, 1876-

Form and structure of certain plant hybrids in comparison with the form and structure of their parents . . . [Meridian, Miss.] 1913. 50, [4] p.

Cornell university, 1910, PH. D.

"Reprinted from Technical bulletin, no. 3, Miss. agr. exp. sta."

13-17448

QH423.B7

29 **Browne, Ethel Nicholson, 1885-**

A study of the male germ cells in *Notonecta* . . . [Baltimore, 1913] 1 p. l., p. 61-121, 1 l.

Columbia university, 1913, PH. D.

13-23078

QL958.B88

30 **Bruns, Friedrich.**

. . . Friedrich Hebbel und Otto Ludwig, ein vergleich ihrer ansichten über das drama . . . Berlin-Steglitz, B. Behr (F. Feddersen) 1913. 4 p. l., 123 p.

(Hebbel-forschungen, hrsg. von R. M. Werner und W. Bloch-Wunschmann. nr. v)

University of Wisconsin, 1910, PH. D.

13-18125

PT2296.A1H4

31 **Buchanan, Daniel.**

. . . Isosceles-triangle solutions of the problem of three bodies . . . [Washington, D. C., 1913] 1 p. l., p. 325-356.

University of Chicago, 1911, PH. D.

"Extracted from Carnegie institution of Washington. Publication no. 161."

14-7949

QB362.B87

32 **Buck, Thomas, 1881-**

. . . Periodic orbits; oscillating satellites near the Lagrangian equilateral-triangle points . . . Chicago, 1913. 1 p. l., p. 299-324.

University of Chicago, 1909, PH. D.

14-1974

QB401.B7

33 **Buckingham, Burdette Ross, 1876-**

Spelling ability, its measurement and distribution . . . New York city, Teachers college, Columbia university, 1913. viii, 117 p.

Columbia university, 1913, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 59.

14-2090

LB1574.B82

34 **Buckner, Garrett Davis, 1885-**

Studies on the silver coulometer . . . [Philadelphia? Ware bros. company? 1913] cover-title, 17 p.

Princeton university, 1912, PH. D.

14-3941

QC615.B8

35 Burbridge, Harry Carleton, 1885-

The thermal coefficient of contact electromotive force
 . . . [Lancaster, Pa., and Ithaca, N. Y.] 1913. 1 p. l.,
 p. [183]-197.

Leland Stanford junior university, 1913, PH. D.

"Reprinted from the Physical review, n. s., vol. II, no. 3, September,
 1913."

13-26749

QC581.B86

36 Calhoun, George Miller, 1886-

. . . Athenian clubs in politics and litigation . . .
 Austin, 1913. v, 172 p.

University of Chicago, 1911, PH. D.

"Reprinted from the University of Texas bulletin, Austin, 1913."

13-21587

DF277.C26

37 Campbell, Charles Boyle.

. . . Concerning the pronominal antecedent and the
 form of the accompanying relative pronoun in modern
 German prose . . . Berlin, E. Ebering, 1913. 115, [1] p.

University of Chicago, 1912, PH. D.

13-23798

PF3261.C3

38 Canfield, Leon Hardy, 1886-

The early persecutions of the Christians . . . New
 York, 1913. 1 p. l., 5-217 p.

Columbia university, 1913, PH. D.

Published also as Studies in history, economics and public law,
 ed. by the Faculty of political science of Columbia university, vol. LV,
 no. 2, whole no. 136.

13-20451

39 Cash, Gentry, 1886-

A study of the osmotic pressure of cane sugar solu-
 tions at 30°, 35° and 40° . . . Easton, Pa., Eschenbach
 printing co., 1913. 36 p., 1 l.

Johns Hopkins university, 1911, PH. D.

13-26244

QD543.C4

40 Castle, Mrs. Cora (Sutton) 1880-

A statistical study of eminent women . . . New York
 city, 1913. vii, 91 p.

Columbia university, 1913, PH. D.

"Reprinted from the Archives of psychology, no. 27."

14-2576

HQ1206.C32

41 **Castro, Matilde.**

. . . The respective standpoints of psychology and logic . . . [Chicago, The University of Chicago press] 1913. 1 p. l., 5-77 p.

University of Chicago, 1907, PH. D.

"Reprinted from Philosophic studies, number 4."

13-13050

BF44.C22

42 **Church, Elihu Cunyngham, 1881-**

The Bureau of supplies of the Department of water supply, gas and electricity, New York city . . . [New York, M. B. Brown printing & binding co.] 1913. 93 p.

Columbia university, , PH. D.

14-3224

TD25.N6C4

43 **Clark, Clifford Pease, 1872-**

Numerical phraseology in Vergil . . . Princeton [The Falcon press] 1913. 89 p.

Princeton university, 1910, PH. D.

14-9973

44 **Clements, Guy Roger, 1885-**

Implicit functions defined by equations with vanishing Jacobian . . . [Lancaster, Pa., Press of the New era printing company, 1913] cover-title, p. 325-342.

Harvard university, 1913, PH. D.

Part I of the author's thesis "Reprinted from the Transactions of the American mathematical society, vol. xiv, no. 3."

14-7944

QA331.C58

— Singular point transformations in two complex variables . . . [Lancaster, Pa., and Princeton, N. J., 1913] cover-title, 19 p.

Harvard university, 1913, PH. D.

Part II of the author's thesis "Reprinted from Annals of mathematics, second series, vol. 15, no. 1, September, 1913."

14-7943

QA601.C63

45 **Cobb, Charles Wiggins, 1875-**

The asymptotic development for a certain integral function of zero order . . . Norwood, Mass., The Norwood press, 1913. 1 p. l., 13 p.

University of Michigan, 1912, PH. D.

13-18933

QA331.C63

46 **Cole, Arthur Charles.**

The Whig party in the South . . . Washington, 1913.
xii, 392 p.

University of Pennsylvania, 1912, PH. D.

"Reprint of prize essays of the American historical association, 1912."

14-13634

JK2331.C6 1913a

47 **Colvin, David Leigh, 1880-**

The bicameral principle in the New York Legislature . . .
New York, 1913. 1 p. l., 191 p., 1 l.

Columbia university, 1913. PH. D.

13-12466

JK3466.C6

48 **Conant, Carlos Everett, 1870-**

. . . The Pepet law in Philippine languages . . .
Chicago, 1913. [1], [920]-947 p., 1 l.

University of Chicago, 1911, PH. D.

Published also in *Anthropos*, vol. VII, 1912, and separately without
thesis note.

13-17308

PL5511.C7 1913

49 **Conn, Harold Joel, 1886-**

A classification of the bacteria in two soil plats of
unequal productivity . . . [Albany, 1913] 1 p. l., p. [65]-
116.

Cornell university, 1911, PH. D.

"Reprinted from Bulletin 338, November, 1913, of Cornell univer-
sity agricultural experiment station."

14-5567

QR111.C5

50 **Cooke, Harold Caswell, 1884-**

. . . The secondary enrichment of silver ores . . .
Chicago, 1913. 1 p. l., 28 p.

University of Chicago, 1912, PH. D.

"Reprinted from the *Journal of geology*, vol. XXI, no. I."

13-14463

TN431.C8

51 **Cooper, William Skinner, 1884-**

. . . The climax forest of Isle Royale, Lake Superior,
and its development . . . Chicago, 1913. 1 p. l., 44 p.

University of Chicago, 1911, PH. D.

"Reprinted from the *Botanical gazette*, vol. LV, no. 1."

13-12100

SD144.M5C7

52 **Cornelius, David William, 1883—**

The study of the velocity of electrons in the photo-electric effect, as a function of the wave-lengths of the light . . . Lancaster, Pa., Press of the New era printing company, 1913. 1 p. l., [1], [16]–34 p., 1 l.

University of Illinois, 1912, PH. D.

“Reprinted from Physical review, n. s., vol. i, no. 1, Jan., 1913.”

13–17444

QC701.C7

53 **Crawford, Ralph Dixon, 1873—**

. . . Geology and ore deposits of the Monarch and Tomichi districts, Colorado . . . [Denver, Col., The Smith-Brooks printing co., 1913] 317 p.

(Colorado. Geological survey. Bulletin 4)

Yale university, 1913, PH. D.

Without thesis note.

G S 13–441

QE91.A4

54 **Cross, Lewis Josephus, 1874—**

A study of the relation of the chemical composition of hens' eggs to the vitality of the young chick . . . [n. p., 1913] 16 p.

Cornell university, 1912, PH. D.

14–8072

SF487.C93

55 **Cru, Robert Loyalty, 1884—**

Diderot as a disciple of English thought . . . New York, Columbia university press, 1913. xiii, 500 p.

(Columbia university studies in Romance philology and literature)

Columbia university, 1913, PH. D.

Published also without thesis note.

13–33956

B2016.C7 1913a

56 **Curme, Georg Oliver, jr.**

. . . The thermal decomposition of symmetrical diarylhydrazines—a reaction on the first order . . . Easton, Pa., Press of the Eschenbach printing co., 1913. 33 p.

University of Chicago, 1913, PH. D.

14–207

QD341.A8C82

57 **Daines, Lyman Luther, 1883—**

. . . Comparative development of the cystocarps of *Antithamnion* and *Prionitis* . . . Berkeley, University of California press, 1913. cover-title, p. [283]–302.

(University of California publications in botany. vol. 4, no. 16)

University of California, 1912, PH. D.

Without thesis note.

A 13–1009

QK1.C2. v. 4, no. 16

58 Dallenbach, Karl M, 1887—

The measurement of attention . . . [Worcester] 1913.

1 p. l., p. [465]—507.

Cornell university, 1913, PH. D.

"Reprinted from the American journal of psychology, October, 1913, vol. xxiv."

13-25362

BF321.D3

59 Danforth, Charles Haskell, 1883—

. . . The anatomy of *Polyodon*. Part I: A74-MM. *Polyodon*. Part II: The heart and arteries of *Polyodon*. Part III: The myology of *Polyodon* . . . Saint Louis, 1913. 3 p. l., p. 201-204, 1 l., p. 409-454, 1 l., p. 107-146.

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 13-17455 QA295.S65
- 223 **Smith, Clayton Sidney, 1887-**
 A study of the influence of cold storage temperatures
 upon the chemical composition and nutritive value of
 fish . . . New York city, 1913. 2 p. l., p. 54-68, 2 l.
 Columbia university, 1913, PH. D.
 "Reprinted from the Biochemical bulletin. 1913, iii."
 14-3223 TX605.S6

- 224 Smith, Donald Eugene, 1878-**
 . . . The viceroy of New Spain . . . Berkeley, University of California press, 1913. 1 l., p. [99]-293.
 (University of California publications in history. vol. 1, no. 2)
 University of California, 1909, PH. D.
 Without thesis note.
 A 13-671 F1412.S25
- 225 Smith, Leslie Denis, 1889-**
 Conductivity, temperature coefficients of conductivity, dissociation and constants of certain organic acids, between zero and sixty-five degrees . . . Easton, Pa., Eschenbach printing co., 1913. 50 p., 1 l.
 Johns Hopkins university, 1913, PH. D.
 13-17231 QD565.S55
- 226 Spaeth, Sigmund Gottfried, 1885-**
 Milton's knowledge of music; its sources and its significance in his works . . . Princeton, The University library, 1913. vi, 186 p.
 Princeton university, 1910, PH. D.
 14-2304 ML80.M487
- 227 Stebbins, Homer Adolph, 1884-**
 A political history of the state of New York 1865-1869 . . . New York, 1913. 2 p. l., 7-448 p.
 Columbia university, 1913, PH. D.
 "Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. LV, no. 1, whole no. 135.
 13-18331 F124.S83
- 228 Steeves, Harrison Ross, 1881-**
 Learned societies and English literary scholarship in Great Britain and the United States . . . New York, Columbia university press, 1913. xiv, 245, [1] p.
 (Columbia university studies in English and comparative literature)
 Columbia university, 1913, PH. D.
 Published also without thesis note.
 14-3585 PN22.A2 1913 a
- 229 Steger, Stewart Archer, 1884-**
 American dictionaries . . . Baltimore, J. H. Furst company, 1913. 3 p. l., 131, [15] p., 1 l.
 University of Virginia, 1913, PH. D.
 13-25631 PE1611.S7

230 Stephenson, Rufus Town, 1880—

Some aspects of the dramatic art of Aeschylus . . .
[Stanford University, Cal.] Stanford university press,
1913. 73 p.

Leland Stanford junior university, 1909, PH. D.
14-2637

231 Stewart, Vern Bonham, 1888—

The fire blight disease in nursery stock . . . [Albany,
1913] [1], 316-372 p.

Cornell university, 1913, PH. D.
"Reprint of Cornell agricultural experiment station Bulletin 329,
April, 1913."
13-22045 SB741.F688

232 Stolz, Karl Ruf.

Auto-suggestion in private prayer; a study in the
psychology of prayer . . . [Grand Forks, N. D., pref.
1913] 138 p.

University of Iowa, 1911, PH. D.
Without thesis note.
13-22686

233 Stone, Edward Collins, 1878—

The surface-tension of certain organic liquids by the
drop-weight method and the critical temperatures and
capillary constants calculated from them . . . Con-
cord, N. H., The Rumford press, 1913. 41, [1] p.

Columbia university, 1913, PH. D.
13-17240 QC183.S8

234 Strachan, Earle Kenneth, 1886—

The equilibrium between arsenious acid and iodine in
aqueous solution . . . Easton, Pa., Eschenbach print-
ing company, 1913. 25, [1] p.

University of Illinois, 1912, PH. D.
13-17445 QD501.S87

235 Sullivan, Mary, 1874—

Court masques of James I; their influence on Shake-
speare and public theatres . . . Lincoln, Neb., 1913.
vii, 137 p.

University of Nebraska, 1912, PH. D.
Published also without thesis note.
13-14241 PN2592.S83

236 Sutherland, Arthur Howard, 1878—

. . . Critique of word association reactions; an experimental study . . . Menasha, Wis., George Banta publishing co., 1913. 3 p. l., 44, [2] p.

University of Chicago, 1909, PH. D.

13-25361

BF365.S8

237 Swindler, Mary Hamilton, 1884—

Cretan elements in the cults and ritual of Apollo . . .

Bryn Mawr, Pa., 1913. 80 p.

Bryn Mawr college, 1913, PH. D.

Published also as Bryn Mawr monographs; monograph series, vol.

xiii.

13-25360

238 Sylvester, Reuel Hull, 1881—

The form board test . . . [Princeton, N. J., Princeton university press] 1913. 2 p. l., 56 p.

University of Pennsylvania, 1912, PH. D.

14-3229

LB1121.S7

239 Tanquary, Maurice Cole, 1881—

Biological and embryological studies on *Formicidae* . . . [Bloomington, Ind., 1913] 67 p.

University of Illinois, 1912, PH. D.

Published also as Bulletin of the Illinois state laboratory of natural history . . . vol. ix, article ix.

13-17451

QL568.F7T3

240 Tashiro, Shiro.

Carbon dioxide production from nerve fibres when resting and when stimulated . . . [Boston, 1913] 1 p. l., p. [107]-145, 1 l.

University of Chicago, 1912, PH. D.

"Reprinted from the American journal of physiology. vol. xxxii, June 2, 1913—no. ii."

14-9955

QP331.T3

241 Tatum, Arthur Laurie.

. . . Morphological studies in experimental cretinism . . . Chicago, 1913. 1 p. l., [1], 636-652 p.

University of Chicago, 1913, PH. D.

"Reprinted from the Journal of experimental medicine, vol. xvii, no. 6, 1913."

13-33518

RC657.T3

242 Taylor, Guy Baker, 1888—

The dissociation of mercuric oxide; a study of equilibrium in the system mercury and oxygen . . . [Easton, Pa., Eschenbach printing company, 1913] 31, [1] p.

Princeton university, 1913, PH. D.
14-2066

QD181.H6T3

243 Taylor, Hawley Otis, 1876—

A direct method of finding the value of materials as sound absorbers . . . [Lancaster, Pa., and Ithaca, N. Y.] 1913. 1 p. l., p. [270]—287.

Cornell university, 1913, PH. D.

"Reprinted from the Physical review, n. s., vol. II, no. 4, October, 1913."

13-24074

QC233.T2

244 Thomas, Phillips, 1883—

The dielectric properties of non-conductors . . . [Philadelphia] Press of J. B. Lippincott company, 1913. cover-title, p. 283—301.

Princeton university, 1912, PH. D.

"Reprinted from the Journal of the Franklin institute, September, 1913."

14-3940

QC585.T5

245 Todd, Vincent Hollis, 1879—

Baron Christoph von Graffenried's New Bern adventures . . . [n. p., 1913?] 4 p. l., 124 p.

University of Illinois, 1912, PH. D.

13-18342

F264.N5T6

246 Van Alstyne, Eleanor Van Ness, 1881—

The absorption of protein without digestion . . . [Chicago, Press of American medical association, 1913] 1 p. l., 23 p.

Cornell university, 1913, PH. D.

"Reprinted from the Archives of internal medicine, October, 1913. vol. 12, pp. 372—394."

14-2058

QP165.V3

247 Van Metre, Thurman William.

An outline of the development of the internal commerce of the United States, 1789—1900 . . . Baltimore, Williams & Wilkins co., 1913. cover-title, 30 p.

University of Pennsylvania, 1913, PH. D.

13-19207

HF3007.V3

Vogt, Mrs. Lou Helen (Morgan). *See Morgan,*
Lou Helen, 1883-

248 Wagner, Ignatius Albert, 1883-

The condensation products of acetone . . . [Indianapolis, W. B. Burford, printer] 1913. 43 p.

Catholic university of America, 1912, PH. D.

14-2057

QD305.K2W3

249 Wallace, Errett, 1877-

Scab disease of apples . . . [Albany, 1913] 1 p. l.,
p. 543-624.

Cornell university, 1911, PH. D.

"Reprinted from Cornell agricultural experiment station Bulletin
335, September, 1913."

14-13225

SB608:A6W2

250 Waterman, Emma Phoebe, 1882-

. . . The visual region of the spectrum of brighter
class A stars. [Berkeley, 1913] 17 p.

(Lick observatory bulletin, number 243)

University of California, 1913, PH. D.

Without thesis note.

14-5030

QB871.W3

251 Weaver, Edward Ebenezer, 1864-

Mind and health, with an examination of some systems
of divine healing . . . New York, The Macmillan
company, 1913. xv, 500 p.

Clark university, 1910, PH. D.

13-8866

RZ400.W32

252 Weisman, Charles, 1880-

Biochemical studies of expired air in relation to ven-
tilation . . . Easton, Pa., Eschenbach printing co.,
1913. 97 p., 1 l.

Columbia university, 1913, PH. D.

13-17227

QP121.W4

253 Welden, Ellwood Austin, 1883-

The Samkhya Karikas of Is'vara Krishna, with the
commentary of Gaudapada . . . Philadelphia, Pa.,
1913. 15, [1] p.

University of Pennsylvania, 1906, PH. D.

Abstract of thesis.

13-33961

254 Wells, George Ross, 1884—

The influence of stimulus-duration on reaction time . . . [Princeton, Princeton university press, 1913] 1 p. l., 69, [1] p.

Johns Hopkins university, 1912, PH. D.

Published also as Psychological review publications. The psychological monographs . . . vol. xv, no. 5; whole no. 66.

14-8999

QP391.W4

255 Wildman, Edward Embree, 1874—

. . . The spermatogenesis of *Ascaris megalocephala* with special reference to the two cytoplasmic inclusions, the refractive body and the "mitochondria": their origin, nature and rôle in fertilization . . . [Boston, 1913] p. 421-457.

University of Pennsylvania, 1912, PH. D.

"Reprinted from Journal of morphology, vol. 24, no. 3, September, 1913."

13-24088

QL966.W5

256 Williams, Daniel Jenkins, 1874—

The Welsch of Columbus, Ohio; a study in adaptation and assimilation . . . Oshkosh, Wis., The author, 1913. 144 p.

Ohio State university, 1914, PH. D.

Published also without thesis note.

14-13132

F499.C7W72

257 Williams, Guy Yandall, 1881—

The dependence of ionic mobility on the viscosity of the medium . . . Easton, Pa., Eschenbach printing company, 1913. 20, [2] p.

University of Illinois, 1913, PH. D.

"Published as two separate papers in the J. Am. chem. soc., 35, 737 and 750 (1913)": pt. I. A precision viscosimeter for the measurement of relative viscosity, and the relative viscosities of water at 0°, 18°, 25° and 50°.—pt. II. The viscosities and conductivities of aqueous solutions of raffinose.

13-17446

QC702.W5

258 Williams, Kenneth Powers, 1887—

The solutions of non-homogeneous linear difference equations and their asymptotic form . . . [Lancaster, Pa., and New York] 1913. 1 p. l., p. 209-240.

Princeton university, 1913, PH. D.

"Reprinted from the Transactions of the American mathematical society, vol. xiv, no: 2 . . . April, 1913."

14-2064

QA431.W5

- 259 **Williams, Neil Hooker, 1871-**
 The stability of residual magnetism . . . [New York, 1913] 1 p. l., p. [360]-381.
 University of Michigan, 1912, PH. D.
 "Reprinted from the Physical review, n. s., vol. I, no. 5, May, 1913."
 13-16058 QC761.W6
- 260 **Witter, Charles Edgar, 1874-**
 . . . Pragmatic elements in Kant's philosophy . . .
 Chicago, 1913. v, 76 p.
 University of Chicago, 1912, PH. D.
 13-13051 B2798.W85
- 261 **Wodsedalek, Jerry Edward.**
 Natural history and general behavior of certain *Ephemerae* . . . [Madison, Wis.] 1913. 4 v. in 1.
 University of Wisconsin, 1913, PH. D.
 A collection of reprints with type-written title-page.
 13-17222 QL513.E7W6
- 262 **Woods, Baldwin Munger, 1887-**
 . . . A discussion by synthetic methods of two projective pencils of conics . . . Berkeley, University of California press, 1913. cover-title, p. [55]-85.
 (University of California publications in mathematics. vol. 1, no. 3)
 University of California, 1912, PH. D.
 Without thesis note.
 A 13-852 QA1.C3 v. 1, no. 3
- 263 **Woodward, Walter Carleton.**
 The rise and early history of political parties in Oregon 1843-1868 . . . Portland, Ore., The J. K. Gill company, 1913. xiii, 276, [1] p.
 University of California, 1910, PH. D.
 13-23982 JK2295.O72W6
- 264 **Wuist, Elizabeth Dorothy, 1880-**
 Sex and development of the gametophyte of *Onoclea struthiopteris* . . . Baltimore, Md., 1913. 1 p. l., p. 93-132.
 University of Michigan, 1912, PH. D.
 "Physiological researches vol. I, no. 3, serial no. 3. September, 1913."
 13-26249 QK662.W8

265 Yamada, Soshichi, 1879—

A study of questioning . . . [Worcester, Mass., 1913]
1 p. l., p. [129]—186.

Clark university, 1913, PH. D.

"Reprinted from the Pedagogical seminary, June, 1913, vol. xx,
p. 129—186."

13—17898

LB1027.Y3

266 York, Harlan Harvey, 1875—

The origin and development of the embryo sac and
embryo of *Dendrophthora opuntoides* (L.) Eich. and *D.*
gracile Eich. . . . [Chicago, 1913] cover-title, 1 p. l.,
p. 89—111, 200—216.

Johns Hopkins university, 1911, PH. D.

Reprinted from the Botanical gazette, 1913, v. 56, no. 2 and no. 3.

13—26247

QK665.Y7

267 Zinn, John Brown, 1888—

Osmotic pressure measurements of cane sugar solu-
tions at higher temperatures . . . Baltimore, Gettys-
burg compiler print, 1913. 56 p.

Johns Hopkins university, 1913, PH. D.

13—13028

QD543.Z66

SECTION II

CLASSIFIED LISTS OF THE THESES OF 1913, ARRANGED UNDER THE BROAD CLASSES OF THE LIBRARY OF CONGRESS SCHEME

The 14 titles supplementary to the list of 1912 are included.

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CLASSIFIED LISTS OF THE THESES OF 1913, ARRANGED UNDER THE BROAD CLASSES OF THE LIBRARY OF CONGRESS SCHEME

The 14 titles supplementary to the list of 1912 are included.

Entries are given in same form as in Section I; titles are repeated if theses treat of more than one subject and the subjects belong to different classes.

A somewhat minute subject index may be found in Section III following.

Philosophy, Religion

(Class B)

Canfield, Leon Hardy, 1886—

The early persecutions of the Christians . . . New York,
1913. 1 p. l., 5-217 p.

Columbia university, 1913, PH. D.

Published also as Studies in history, economics and public law, ed. by
the Faculty of political science of Columbia university, vol. LV, no. 2, whole
no. 136.

Castro, Matilde.

. . . The respective standpoints of psychology and logic
. . . [Chicago, The University of Chicago press] 1913.
1 p. l., 5-77 p.

University of Chicago, 1907, PH. D.

"Reprinted from Philosophic studies, number 4."

Cru, Robert Loyalty, 1884—

Diderot as a disciple of English thought . . . New York,
Columbia university press, 1913. xiii, 500 p.

(Columbia university studies in Romance philology and literature)

Columbia university, 1913, PH. D.

Published also without thesis note.

Dallenbach, Karl M, 1887—

The measurement of attention . . . [Worcester] 1913.
1 p. l., p. [465]-507.

Cornell university, 1913, PH. D.

"Reprinted from the American journal of psychology, October, 1913,
vol. XXIV."

Dashiell, John Frederick, 1888-

The philosophical status of value . . . New York, 1913.
73, [1] p.

Columbia university, 1913, PH. D.

Ferguson, William Duncan, 1865-

. . . The legal and governmental terms common to the
Macedonian Greek inscriptions and the New Testament,
with a complete index of the Macedonian inscriptions . . .
[Chicago, The University of Chicago press] 1913. 1 p. l.,
5-109 p.

University of Chicago, 1906, PH. D.

"Reprinted from Historical and linguistic studies. Second series, vol.
II, part 3."

Hartshorne, Hugh, 1885-

Worship in the Sunday school; a study in the theory and
practice of worship . . . New York city, Teachers college,
Columbia university, 1913. vii p., 1 l., 210 p., 1 l.

Columbia university, 1913, PH. D.

Published also without thesis note.

Holderman, Mrs. Elisabeth (Sinclair) 1883-

A study of the Greek priestess . . . [Chicago, Printed by
the University of Chicago press] 1913. v, 54 p.

University of Michigan, 1911, PH. D.

Myers, Garry Cleveland, 1884-

A study in incidental memory . . . New York city, 1913.
iii, 109 p.

Columbia university, 1913, PH. D.

"Reprinted from the Archives of psychology, no. 26."

Rahn, Carl Leo, 1881-

. . . The relation of sensation to other categories in con-
temporary psychology; a study in the psychology of think-
ing . . . [Princeton, Princeton university press] 1913. 3 p. l.,
131 p.

University of Chicago, 1912, PH. D.

"Published as no. 67 of the Monographs of the Psychological review."

Revel, Bernard, 1886-

The Karaite halakah and its relation to Sadducean, Sa-
maritan and Philonian halakah. Part I . . . Philadelphia
[Press of Cahan printing co.] 1913. 1 p. l., 88 p.

Dropsie college for Hebrew and cognate learning, 1912, PH. D.

Published also in Jewish quarterly review, new series, v. 2, p. 517-544
(1911-12) and v. 3, p. 337-396 (1912-1913)

Ruckmich, Christian Alban, 1886—

The rôle of kinaesthesia in the perception of rhythm, with a bibliography of rhythm . . . [Worcester, 1913] 1 p. l., p. [305]–359, [508]–519.

Cornell university, 1913, PH. D.

"Reprinted from the American journal of psychology. July, 1913, vol. xxiv, pp. 305–359; October, 1913, vol. xxiv, pp. 508–519."

"From the Psychological laboratory of Cornell university."

Schallenberger, Margaret Everitt, 1862—

The growth of the child's mind . . . [n. p.] 1913. [13] p.

Cornell university, 1902, PH. D.

Sharpe, Charles Manford.

. . . The normative use of Scripture by typical theologians of Protestant orthodoxy in Great Britain and America . . . Menasha, Wis., George Banta publishing co., 1912. 2 p. l., 77 p.

University of Chicago, 1912, PH. D.

Stolz, Karl Ruf.

Auto-suggestion in private prayer; a study in the psychology of prayer . . . [Grand Forks, N. D., pref. 1913] 138 p.

University of Iowa, 1911, PH. D.

Without thesis note.

Sutherland, Arthur Howard, 1878—

. . . Critique of word association reactions; an experimental study . . . Menasha, Wis., George Banta publishing co., 1913. 3 p. l., 44, [2] p.

University of Chicago, 1909, PH. D.

Swindler, Mary Hamilton, 1884—

Cretan elements in the cults and ritual of Apollo . . .

Bryn Mawr, Pa., 1913. 80 p.

Bryn Mawr college, 1913, PH. D.

Published also as Bryn Mawr monographs; monograph series, vol. xiii.

Sylvester, Reuel Hull, 1881—

The form board test . . . [Princeton, N. J., Princeton university press] 1913. 2 p. l., 56 p.

University of Pennsylvania, 1912, PH. D.

Welden, Ellwood Austin, 1883—

The Samkhya Karikas of Is'vara Krishna, with the commentary of Gaudapada . . . Philadelphia, Pa., 1913. 15, [1] p.

University of Pennsylvania, 1906, PH. D.

Abstract of thesis.

Witter, Charles Edgar, 1874—

. . . Pragmatic elements in Kant's philosophy . . . Chicago, 1913. v, 76 p.

University of Chicago, 1912, PH. D.

History and Topography

(except America)

(Classes C-D)

Bowerman, Helen Cox, 1878—

Roman sacrificial altars; an archaeological study of monuments in Rome . . . Lancaster, Pa., The New era printing company, 1913. v, 103 p.

Bryn Mawr college, 1912, PH. D.

Calhoun, George Miller, 1886—

. . . Athenian clubs in politics and litigation . . . Austin, 1913. v, 172 p.

University of Chicago, 1911, PH. D.

"Reprinted from the University of Texas bulletin, Austin, 1913."

Graves, Thornton Shirley, 1883—

. . . The court and the London theatres during the reign of Elizabeth . . . Menasha, Wis., The Collegiate press, George Banta publishing co., 1913. 3 p. l., 93 p.

University of Chicago, 1912, PH. D.

Howard, Clare MacLellen, 1881—

English travellers of the renaissance . . . New York, 1913. 3 p. l., v-xvii, 232 p., 2 l.

Columbia university, 1914, PH. D.

Published also without thesis note and with imprint: London, John Lane; New York, John Lane company; [etc., etc.] 1914.

Pfeiffer, Laura Belle, 1862-

The uprising of June 20, 1792 . . . Lincoln, Neb., 1913.
2 p. l., 147 p.

University of Nebraska, 1912, PH. D.

"Reprinted from University studies, vol. xii, no. 3, 1913."

Shilotri, Prabhaker S., 1883-

Indo-Aryan thought and culture and their bearing on
present day problems in India; an argument from the
standpoint of a native of that country . . . New York, The
Evening post job printing office, 1913. 81 p., 1 l.

Columbia university, 1913, PH. D.

America**(Classes E-F)****Davis, William Watson, 1884-**

The civil war and reconstruction in Florida . . . New
York, 1913. 2 p. l., vii-xxvi, 771 p.

Columbia university, 1913, PH. D.

Published also as Studies in history, economics and public law, ed. by
the Faculty of political science of Columbia university, vol. lxx, whole no.
131.

Hearon, Cleo Carson.

. . . Mississippi and the compromise of 1850 . . . [Ox-
ford, Miss., 1913] 1 p. l., 7-229 p.

University of Chicago, 1913, PH. D.

"Reprinted from the Publications of the Mississippi historical society,
volume xiv, 1913."

Lauber, Almon Wheeler, 1880-

Indian slavery in colonial times within the present limits
of the United States . . . New York, 1913. 2 p. l., 7-352 p.,
1 l.

Columbia university, 1913, PH. D.

Quillin, Frank Uriah, 1880-

The color line in Ohio: a history of race prejudice in a
typical northern state . . . Ann Arbor, Mich., G. Wahr,
1913. 3 p. l., [ix]-xvi, 178 p.

(University of Michigan historical studies. iii)

University of Michigan, 1910, PH. D.

Published also without thesis note.

Randall, James Garfield, 1881-

. . . The confiscation of property during the civil war . . .
Indianapolis, Mutual printing and lithographing co., 1913.
vi, 7-72 p.

University of Chicago, 1911, PH. D.

Russell, John Henderson, 1884-

The free negro in Virginia 1619-1865 . . . Baltimore,
1913. viii, 9-195 p.

Johns Hopkins university, 1913, PH. D.

Published also as Johns Hopkins university studies in historical and
political science . . . series XXXI, no. 3.

Smith, Donald Eugene, 1878-

. . . The viceroy of New Spain . . . Berkeley, Univer-
sity of California press, 1913. 1 l., p. [99]-293.

(University of California publications in history. vol. 1, no. 2)

University of California, 1909, PH. D.

Without thesis note.

Stebbins, Homer Adolph, 1884-

A political history of the state of New York 1865-1869 . . .
New York, 1913. 2 p. l., 7-448 p.

Columbia university, 1913, PH. D.

Published also as Studies in history, economics and public law, ed. by
the Faculty of political science of Columbia university, vol. LV, no. 1,
whole no. 135.

Todd, Vincent Hollis, 1879-

Baron Christoph von Graffenried's New Bern adventures
. . . [n. p., 1913?] 4 p. l., 124 p.

University of Illinois, 1912, PH. D.

Williams, Daniel Jenkins, 1874-

The Welsh of Columbus, Ohio; a study in adaptation and
assimilation . . . Oshkosh, Wis., The author, 1913. 144 p.

Ohio state university, 1914, PH. D.

Published also without thesis note.

Geography, Anthropology

(Class G)

Farnsworth, William Oliver, 1871-

Uncle and nephew in the Old French chansons de geste; a study in the survival of matriarchy . . . New York, Columbia university press, 1913. xii, 268 p.

Columbia university, 1913, PH. D.

Published also as Columbia university studies in romance philology and literature.

Social Sciences

(Class H)

Blum, Solomon, 1883-

Jurisdictional disputes resulting from structural differences in American trade unions . . . [Berkeley, University of California press, 1913] 1 p. l., [409]-447 p., 1 l.

(University of California publications in economics. v. 3, no 3.)

Johns Hopkins university, 1907, PH. D.

Published also without thesis note.

Castle, Mrs. Cora (Sutton) 1880-

A statistical study of eminent women . . . New York city, 1913. vii, 91 p.

Columbia university, 1913, PH. D.

"Reprinted from the Archives of psychology, no. 27."

Downey, Ezekiel Henry, 1879-

. . . , History of work accident indemnity in Iowa . . . Iowa City, Ia., State historical society of Iowa, 1912. xiii, 337 p.

(Iowa economic history series, ed. by B. F. Shambaugh)

University of Wisconsin, 1913, PH. D.

Dowrie, George William, 1880-

. . . The development of banking in Illinois, 1817-1863 . . . [Urbana? 1913.] 181, [1] p.

University of Illinois, 1913, PH. D.

Published also as University of Illinois studies in the social sciences, vol. II, no. 4.

Estey, James Arthur.

Revolutionary syndicalism; an exposition and a criticism . . . London, P. S. King & son, 1913. ix, 212 p.

"Originally prepared for a doctor's thesis at the University of Wisconsin in 1911. In its present form, it is much expanded and completely recast."

Fankhauser, William Charles, 1883-

. . . A financial history of California; public revenues, debts, and expenditures . . . Berkeley, University of California press, 1913. 1 p. l., p. 101-408, 408a-408d.

(University of California publication in economics. vol. 3, no. 2)

University of California, 1912, PH. D

Without thesis note.

Farnsworth, William Oliver, 1871-

Uncle and nephew in the Old French chansons de geste, a study in the survival of matriarchy . . . New York, Columbia university press, 1913. xii, 268 p.

Columbia university, 1913, PH. D.

Published also as Columbia university studies in romance philology and literature.

Glocker, Theodore Wesley, 1881-

The government of American trade unions . . . Baltimore, 1913. vii, 9-242 p. 1 l.

Johns Hopkins university, 1907, PH. D.

Gould, Clarence Pembroke, 1884-

The land system in Maryland 1720-1765 . . . Baltimore, 1913. vii, 9-106 p., 1 l.

Johns Hopkins university, 1911, PH. D.

Published also in Johns Hopkins university studies in historical and political science, ser. 31, no. 1.

Heffner, William Clinton, 1865-

History of poor relief legislation in Pennsylvania, 1682-1913 . . . Cleona, Pa., Holzapfel publishing company [c1913] 302 p.

University of Pennsylvania, 1911, PH. D.

Knauth, Oswald Whitman, 1887-

The policy of the United States towards industrial monopoly . . . New York, 1913. 2 p. l., 7-235 p.

Columbia university, 1914, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. vol. LVI, no. 2; whole no. 138.

Magee, James Dysart.

. . . Money and prices; a statistical study of price movements . . . Chicago, 1913. 89 p.

University of Chicago, 1913, PH. D.

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SECTION III

INDEX OF SUBJECTS

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 Tammany Hall: 130.
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SECTION IV

**ALPHABETICAL LIST, BY UNIVERSITY, OF
DOCTORS WHOSE THESES WERE
PRINTED IN 1913**

With Supplementary List, 1912

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ALPHABETICAL LIST BY UNIVERSITY

1912, SUPPLEMENT

The date following the name indicates year degree was conferred.

UNIVERSITY OF CHICAGO

Eskridge, James Burnette, 1912. Sullivan, Charles Thompson, 1912.
Sharpe, Charles Manford, 1912.

COLUMBIA UNIVERSITY

Haseman, John Diederich, 1912.

HARVARD UNIVERSITY

Hotson, John William, 1913. Webster, David Locke, 1913.

UNIVERSITY OF ILLINOIS

Burnett, Elizabeth Ruth, 1910. Ernest, Thomas Reuben, 1910.
Egan, James Everett, 1912.

UNIVERSITY OF KANSAS

Frizell, Arthur Bowes, 1910.

LELAND STANFORD JUNIOR UNIVERSITY

Boezinger, Bruno, 1910.

UNIVERSITY OF OHIO

Kellogg, David Raymond, 1912.

WASHINGTON UNIVERSITY

Chambers, Charles Oscar, 1913.

UNIVERSITY OF WISCONSIN

Downey, Ezekiel Henry, 1913.

ALPHABETICAL LIST BY UNIVERSITY, 1913

The date following the name indicates year degree was conferred; absence of date signifying that so far as our records show degree is not yet granted.

BRYN MAWR COLLEGE

Bowerman, Helen Cox, 1912.	Sanderson, Helen Estabrook, 1911.
Rand, Marie Gertrude, 1911.	Swindler, Mary Hamilton, 1913.

UNIVERSITY OF CALIFORNIA

Daines, Lyman Luther, 1912.	Matthews, Lillian Ruth, 1912.
Fankhauser, William Charles, 1912.	Merrill, Paul Willard, 1913.
Gee, Wilson, 1913.	Smith, Donald Eugene, 1909.
Johnson, Myrtle Elizabeth, 1912.	Waterman, Emma Phoebe, 1913.
Kieess, Carl Clarence, 1913.	Woods, Baldwin Munger, 1912.
Lull, Herbert Galen, 1912.	Woodward, Walter Carleton, 1910.

CATHOLIC UNIVERSITY OF AMERICA

Plassmann, Thomas Bernard, 1910.	Wagner, Ignatius Albert, 1912.
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UNIVERSITY OF CHICAGO

Allyn, Harriet May, 1912.	Glattfeld, John William Edward, 1913.
Bretz, J. Harlen, 1913.	Graves, Thornton Shirley, 1912.
Brokaw, Albert Dudley, 1913.	Hearon, Cleo Carson, 1913.
Buchanan, Daniel, 1911.	Hemenway, Ansel Francis, 1912.
Buck, Thomas, 1909.	Hopkins, Annette Brown, 1912.
Calhoun, George Miller, 1911.	Hunter, Walter Samuel, 1912.
Campbell, Charles Boyle, 1912.	Koch, Fred Conrad, 1912.
Castro, Matilde, 1907.	Lee, Oliver Justin, 1913.
Conant, Carlos Everett, 1910.	Magee, James Dysart, 1913.
Cooke, Harold Caswell, 1912.	Petry, Loren Clifford, 1913.
Cooper, William Skinner, 1911.	Pitcher, Arthur Dunn, 1910.
Curme, George Oliver, 1913.	Rahn, Carl Leo, 1912.
Dines, Lloyd Lyne, 1911.	Randall, James Garfield, 1911.
Duncan, Carson Samuel, 1913.	Riley, Elmer Author, 1911.
Eckerson, Sophia Hennion, 1911.	Robison, Henry Barton, 1907.
Ferguson, William Duncan, 1906.	Sanderson, Mildred Leonora, 1913.
Fischer, Charles Albert, 1912.	Sutherland, Arthur Howard, 1909.
Freas, Thomas Bruce, 1911.	Tashiro, Shiro, 1912.
Gilchrist, Lachlan, 1913.	Tatum, Arthur Lawrie, 1913.
Gingrich, Curvin Henry, 1912.	Witter, Charles Edgar, 1912.

CLARK UNIVERSITY

Beik, Arthur Kennedy, 1913.	Sechrist, Frank K., 1913.
Lefschetz, Solomon, 1911.	Weaver, Edward Ebenezer, 1910.
Matheny, William Alderman, 1911.	Yamada, Soshichi, 1913.
Sackett, Leroy Walter, 1910.	

COLUMBIA UNIVERSITY

- Beckwith, Holmes, 1913.
 Bender, Andrew, 1914.
 Blanchard, Ralph Carpenter, 1913.
 Born, Sidney, 1913.
 Brewster, Dorothy, 1913.
 Briggs, Thomas Henry, 1914.
 Browne, Ethel Nicholson, 1913.
 Buckingham, Burdette Ross, 1913.
 Canfield, Leon Hardy, 1913.
 Castle, *Mrs.* Cora (Sutton), 1913.
 Church, Elihu Cunyngnam.
 Colvin, David Leigh, 1913.
 Cru, Robert Loyalty, 1913.
 Dashiell, John Frederick, 1913.
 Davis, William Watson, 1913.
 Elson, Charles, 1913.
 Farnsworth, William Oliver, 1913.
 Glass, Meta, 1913.
 Green, Alexander, 1914.
 Green, Gabriel Marcus, 1913.
 Hartshorne, Hugh, 1913.
 Hepburn, Joseph Samuel, 1913.
 Hintze, Ferdinand Friis, 1913.
 Horowitz, Benjamin, 1913.
 Howard, Clare MacLellen, 1914.
 Hurwitz, Solomon Theodore Halévy, 1913.
 Hutchinson, J. Howard, 1913.
 Isham, Robert Melyne, 1913.
 Kells, Lyman Morse, 1914.
 Kemp, William Webb, 1914.
 Kilroe, Edwin Patrick, 1913.
 Kirby, Thomas Joseph, 1913.
 Knauth, Oswald Whitman, 1914.
 Knight, Edgar Wallace, 1913.
 Lauber, Almon Wheeler, 1913.
 Levine, Michael, 1913.
 Lien, Arnold Johnson, 1913.
 McConaughy, James Lukens, 1913.
 McKirahan, Walter Wilbert, 1913.
 Mayers, Lewis, 1914.
 Mayo, Marion Jacob, 1914.
 Miller, Edgar Grim, 1913.
 Miller, James Collins, 1913.
 Moore, Blaine Free, 1913.
 Myers, Garry Cleveland, 1913.
 Neidle, Marks, 1913.
 Nelms, William Stockton, 1913.
 Ornstein, Martha, 1913.
 Osborne, Algernon Ashburner, 1914.
 Powell, Thomas Reed, 1913.
 Rapeer, Louis Win, 1913.
 Redmond, Daniel Walter, 1913.
 Schramm, Edward, 1913.
 Scott, George Gilmore, 1913.
 Severinghaus, Willard Lesly, 1914.
 Shilotri, Prabhaker S., 1913.
 Sies, Raymond William, 1913.
 Smail, Lloyd Leroy, 1913.
 Smith, Clayton Sidney, 1913.
 Stebbins, Homer Adolph, 1913.
 Steeves, Harrison Ross, 1913.
 Stone, Edward Collins, 1913.
 Weisman, Charles, 1913.

CORNELL UNIVERSITY

- Ames, Adeline Sarah, 1913.
 Anderson, Paul Johnson, 1914.
 Ayres, Hiram Donthitt, 1913.
 Briggs, Thomas Roland, 1913.
 Brown, Harry Bates, 1910.
 Conn, Harold Joel, 1911.
 Cross, Lewis Josephus, 1912.
 Dallenbach, Karl M, 1913.
 Farnau, Earl Frederick, 1912.
 Fitzpatrick, Harry Morton, 1913.
 Hill, George Richard, 1912.
 Knudson, Lewis, 1911.
 Lohr, James Martin, 1913.
 McCool, Merris Michey, 1912.
 Martin, Lawrence, 1913.
 Morgan, Anna Haven, 1912.
 Morgan, Frank Millet, 1912.
 Owens, *Mrs.* Helen (Brewster), 1910.
 Ruckmich, Christian Alban, 1913.
 Savage, Elmer Seth, 1911.
 Schallenberger, Margaret Everitt, 1902.
 Stewart, Vern Bonham, 1913.
 Taylor, Hawley Otis, 1913.
 Van Alstyne, Eleanor Van Ness, 1913.
 Wallace, Errett, 1913.

**DROPSIE COLLEGE FOR HEBREW AND COGNATE
LEARNING**

Revel, Bernard, 1912.

HARVARD UNIVERSITY

Clements, Guy Roger, 1913.

Heuser, Chester Henry, 1913.

Johnson, Franklin Paradise, 1912.

Sinnott, Edmund Ware, 1913.

UNIVERSITY OF ILLINOIS

Cornelius, David William, 1912.

Denton, William Wells, 1912.

Dowrie, George William, 1913.

Hornbeck, John Wesley, 1913.

Kemp, Jacob Garrett, 1912.

Littleton, Leonidas Rosser, 1912.

Strachan, Earle Kenneth, 1912.

Tanquary, Maurice Cole, 1912.

Todd, Vincent Hollis, 1912.

Williams, Guy Yandall, 1913.

UNIVERSITY OF INDIANA

Harman, Mary Theresa, 1913.

Hennel, Cora Barbara, 1912.

UNIVERSITY OF IOWA

Anderson, David Allen, 1912.

Gow, James Ellis, 1913.

Stolz, Karl Ruf, 1911.

JOHNS HOPKINS UNIVERSITY

Austin, Herbert Douglas, 1911.

Bacon, Clara Latimer, 1911.

Binford, Raymond, 1912.

Blum, Solomon, 1907.

Cash, Gentry, 1911.

Fenwick, Charles Ghequier, 1912.

Fitch, Theodore Thornbur, 1913.

Glocker, Theodore Wesley, 1907.

Gould, Clarence Pembroke, 1911.

Harrison, Julia Peachy, 1912.

Hawkins, Lon Adrian, 1913.

Johnson, Harry Miles, 1912.

Lee, Willis Thomas, 1913.

Lorenz, Charles Frederick, 1909.

Maynard, Thomas Poole, 1909.

Ohern, Daniel Webster, 1907.

Robertson, Henry Clarence, 1910.

Rowe, Richard Burton, 1900.

Russell, John Henderson, 1913.

Schick, George Victor, 1912.

Schneeberger, Philip, 1913.

Shaeffer, Edward John, 1913.

Smith, Leslie Denis, 1913.

Wells, George Ross, 1912.

York, Harlan Harvey, 1911.

Zinn, John Brown, 1913.

UNIVERSITY OF KANSAS

Pond, Robert Spencer, 1910.

LELAND STANFORD JUNIOR UNIVERSITY

Burbridge, Harry Carleton, 1913.

Gibbs, Harry Drake, 1913.

Moffitt, George Wilbur, 1913.

Stephenson, Rufus Town, 1909.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Faragher, Paul Vance, 1913.

UNIVERSITY OF MICHIGAN

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|--|---------------------------------|
| Cobb, Charles Wiggins, 1912. | Osborn, Frederick Arthur, 1907. |
| Foster, Frederick Montague, 1912. | Quillin, Frank Uriah, 1910. |
| Goddard, Henry Newell, 1911. | Williams, Neil Hooker, 1912. |
| Holderman, <i>Mrs.</i> Elisabeth (Sinclair), 1911. | Wuist, Elizabeth Dorothy, 1912. |

UNIVERSITY OF NEBRASKA

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| Mitchell, Claude William, 1913. | Putnam, John Jacob, 1914. |
| Pfeiffer, Laura Belle, 1912. | Sullivan, Mary, 1912. |

NEW YORK UNIVERSITY

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| Boecker, Alexander, 1912. | Lee, Richard Edwin, 1913. |
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UNIVERSITY OF OHIO

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| Morgan, Lou Helen, 1911. | Williams, Daniel Jenkins, 1914. |
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UNIVERSITY OF PENNSYLVANIA

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|---------------------------------|-----------------------------------|
| Anderson, William Elijah, 1913. | Heffner, William Clinton, 1911. |
| Barba, Preston Albert, 1911. | Kuehner, Quincy Adams, 1912. |
| Bixler, Edward Clinton, 1909. | Lukens, Hiram Stanhope, 1913. |
| Book, William Ira, 1913. | Maxfield, Francis Norton, 1912. |
| Cole, Arthur Charles, 1912. | Moxey, Edward Preston, 1909. |
| Downer, James Walker, 1905. | Pennell, Francis Whittier, 1913. |
| Duncan, Ralph Winfred, 1912. | Sylvester, Reuel Hull, 1912. |
| Eisenberg, John Linwood, 1913. | Van Metre, Thurman William, 1913. |
| Fischer, Walther Paul, 1912. | Welden, Ellwood Austin, 1906. |
| Harned, Herbert Spencer, 1913. | Wildman, Edward Embree, 1912. |

PRINCETON UNIVERSITY

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|--------------------------------|----------------------------------|
| Beal, Frederick Wahn, 1911. | Laird, Joseph Stanley, 1912. |
| Buckner, Garrett Davis, 1912. | Shapley, Harlow, 1913. |
| Clark, Clifford Pease, 1910. | Sheard, Charles, 1912. |
| Dellingher, John Howard, 1913. | Spaeth, Sigmund Gottfried, 1910. |
| Durham, Donald Blythe, 1911. | Taylor, Guy Baker, 1913. |
| Haile, Charles Henry, 1911. | Thomas, Phillips, 1912. |
| Heaps, Claude William, 1912. | Williams, Kenneth Powers, 1913. |

UNIVERSITY OF VIRGINIA

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|-----------------------------|-------------------------------|
| Myers, Weldon Thomas, 1912. | Steger, Stewart Archer, 1913. |
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WASHINGTON UNIVERSITY

- Danforth, Charles Haskell, 1912.

UNIVERSITY OF WISCONSIN

Bächmann, Freda Marie, 1912.	McCauley, George Vest, 1911.
Bruns, Friedrich, 1910.	Nelson, Carl Ferdinand, 1912.
Diemer, Melvin Edison, 1911.	Shaw, Leon Irwin, 1911.
Estey, James Arthur, 1911.	Woodsedalek, Jerry Edward, 1913.
McAllister, Frederick, 1910.	

YALE UNIVERSITY

Crawford, Ralph Dixon, 1913.



